

## INTERNATIONAL SEARCH REPORT

Intern. Application No  
PCT/IB2004/003758

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C29/141 C07C45/50 C07C47/02 C07C31/125

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	EP 0 602 442 A (HOECHST AKTIENGESELLSCHAFT) 22 June 1994 (1994-06-22) the whole document	1-25
A	US 6 307 093 B1 (GODWIN ALLEN DAVID ET AL) 23 October 2001 (2001-10-23) column 6, line 56 - column 7, line 3	1-25
A	US 5 886 237 A (PACKETT ET AL) 23 March 1999 (1999-03-23) the whole document	1-25
A	EP 0 529 698 A (SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.) 3 March 1993 (1993-03-03) the whole document	1-25
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☒ Further documents are listed in the continuation of box C

☒ Patent family members are listed in annex

## \* Special categories of cited documents :

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- \*O\* document referring to an oral disclosure, use, exhibition or other means
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- \*X\* document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

4 May 2005

Date of mailing of the international search report

17/05/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	KRANENBURG M ET AL: "NEW DIPHOSPHINE LIGANDS BASED ON HETEROCYCLIC AROMATICS INDUCING VERY HIGH REGIOSELECTIVITY IN RHODIUM-CATALYZED HYDROFORMYLATION: EFFECT OF THE BITE ANGLE" ORGANOMETALLICS, WASHINGTON, DC, US, vol. 14, no. 6, 1 June 1995 (1995-06-01), pages 3081-3089, XP000565303 ISSN: 0276-7333 page 3086, column 1 - column 2 -----	1-25
A	CASEY C P ET AL: "DIPHOSPHINES WITH NATURAL BITE ANGLES NEAR 120 DEG INCREASE SELECTIVITY FOR N-ALDEHYDE FORMATION IN RHODIUM-CATALYZED HYDROFORMYLATION" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 114, no. 14, 1 July 1992 (1992-07-01), pages 5535-5543, XP000576101 ISSN: 0002-7863 the whole document -----	1-25

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